US 50 is considered to run in an East/West direction.

N

EXISTING SIGNALS

1,3

2,4,5,6, 7,8,9,10

EXISTING NEMA PHASING

EXISTING SIGNS

13,15

R 10-12
36" x 42"

17a,17b

D-3(1)
16" x Var.
Dual-faced

PROPOSED SIGNS

18

R 3-5(R)
30" x 36"

19,20

(To Be Installed With Pushbutton) and to read (PUSH TO CROSS US 50)

PROPOSED SIGNAL

11,12

16"

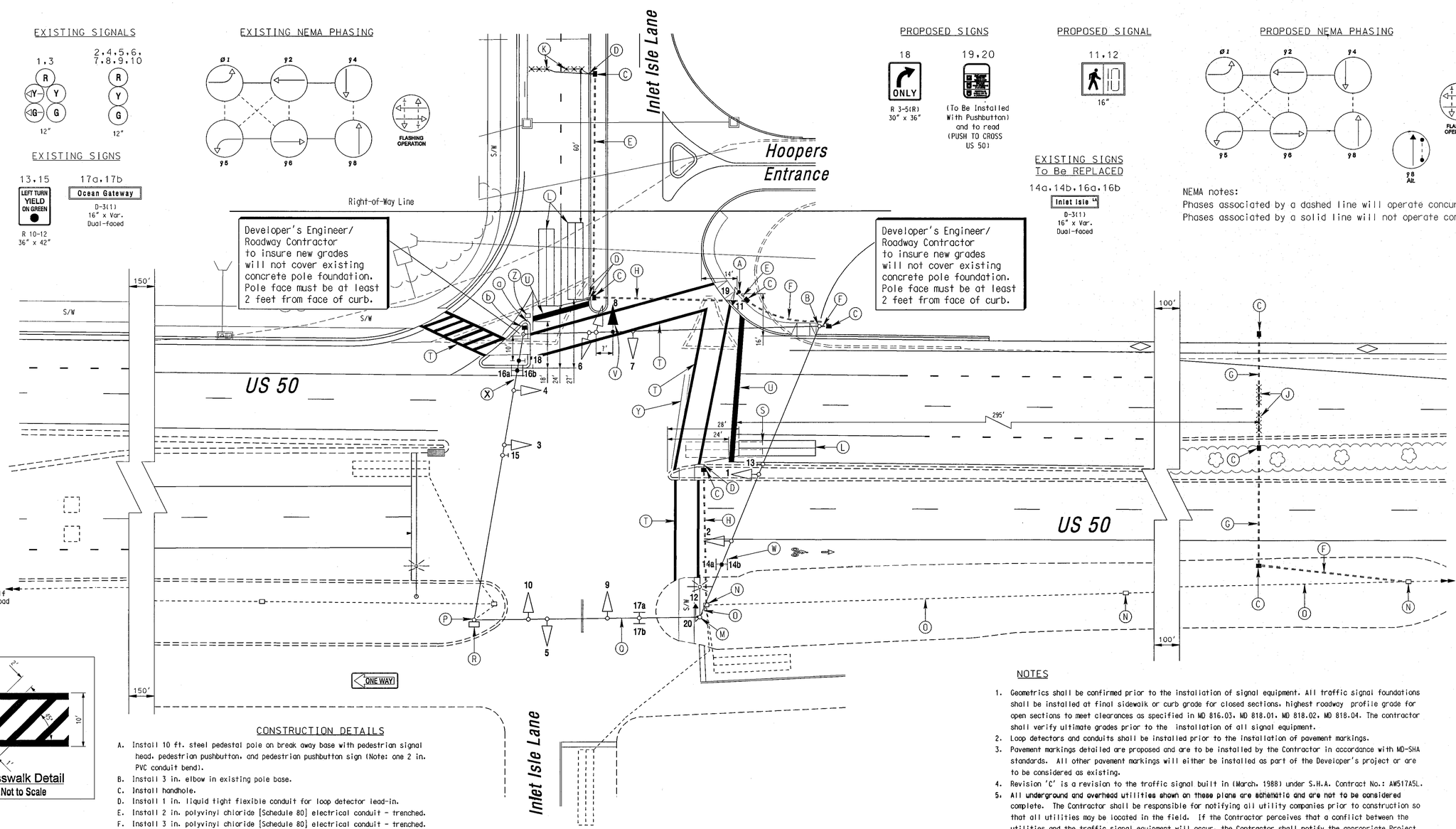
EXISTING SIGNS To Be REPLACED

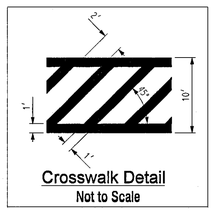
14a,14b,16a,16b

D-3(1)
16" x Var.
Dual-faced

PROPOSED NEMA PHASING

NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.





CONSTRUCTION DETAILS

A. Install 10 ft. steel pedestal pole on break away base with pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).
B. Install 3 in. elbow in existing pole base.
C. Install handhole.
D. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
E. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
F. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
G. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
H. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
J. Install non-invasive probe (set of 3).
K. Install mirco-loop probe (set of 3).
L. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
M. Use existing steel strain pole, install pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign.
N. Use existing handhole.
O. Use existing conduit.
P. Use existing steel strain pole.
Q. Use existing span wire.
R. Use existing cabinet/controller, install rack mounted detection.
S. Abandon existing loop detector.
T. Install 12 in. wide pavement marking - white for crosswalk. (Crosswalk to be aligned with new pedestrian ramp locations).
U. Install 24 in. wide pavement marking - white for stop line.
V. Relocate existing signal head as shown.
W. Use existing span wire, replace existing street name sign.
X. Use existing span wire, install new R3-5 (R) sign, and replace existing street name sign.
Y. Remove existing stop line by grinding.
Z. Remove existing handhole.
a. Cap and abandon existing conduit.
b. Install handhole on existing conduit run and install new grounding rod.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. Revision 'C' is a revision to the traffic signal built in (March, 1988) under S.H.A. Contract No.: AW517A5L.
5. **All underground and overhead utilities shown on these plans are schematic and are not to be considered** complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

G — G — GAS MAIN
W — W — WATER MAIN
S — S — SEWER MAIN
E — E — ELECTRIC CABLES
D — D — STORM DRAIN
A — A — AERIAL CABLES
T — T — TELEPHONE CABLES

Revision 'C'

The Traffic Group
The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS			APPROVALS
C	New geometrics, cut new loops, 3/21/05 add pedestrian signal heads & buttons S.H.A. No.:BW996M82	KBR	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
B	Replace strain pole in se & sw quadrant	1/99	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
A	Install street detectors on side street approaches	5/15/89	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DED			DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

US 50 at Inlet Isle Lane

DRAWN BY:	G. Simmers	F.A.P. NO.	N/A	TS NO.	SHEET NO.
CHECKED BY:	S. Renzi	S.H.A. NO.	AW517A5L	2424C	
SCALE:	1" = 20'	COUNTY:	Worcester	T.I.M.S. NO.	1 OF 2
DATE:	Mar. 7, 1988	LOG MILE:	23005013.57	G608	

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